

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Cancelled).

2. (Currently Amended) A method for detecting a monocyte, which comprises the steps of:

(1) contacting an antibody with a blood cell sample predicted to comprise a monocyte, and

(2) detecting a blood cell that has bound to the antibody in step (1), and
(3) identifying the blood cell as a monocyte;

wherein the antibody specifically binds to a protein or a polypeptide selected from the group of:

(a) the extracellular domain of the HIDE1 protein shown in SEQ ID NO: 2 or 6;

~~(b) a protein encoded by a nucleotide sequence that hybridizes to a complementary sequence of a nucleotide sequence encoding the extracellular domain of the HIDE1 protein shown in SEQ ID NO: 2 or 6 under stringent conditions; and~~

(e)~~(b)~~ a polypeptide fragment of the protein of the above (a)-~~or (b)~~ with at least eight amino acid residues.

3. (Currently Amended) A method for isolating a monocyte, which comprises the steps of:

(1) contacting an antibody with a blood cell sample predicted to comprise a monocyte, and

(2) collecting a blood cell that has bound to the antibody in step (1);

wherein the antibody specifically binds to a protein or a polypeptide selected from the group of:

- (a) the extracellular domain of the HIDE1 protein shown in SEQ ID NO: 2 or 6;
- ~~(b) a protein encoded by a nucleotide sequence that hybridizes to a complementary sequence of a nucleotide sequence encoding the extracellular domain of the HIDE1 protein shown in SEQ ID NO: 2 or 6 under stringent conditions; and~~
- (e)(b) a polypeptide fragment of the protein of the above (a) ~~or (b)~~ with at least eight amino acid residues.

4. (Currently Amended) The method of claim 2 ~~or 3~~, wherein the blood cell sample is peripheral blood, cord blood, or bone marrow.

5-21. (Cancelled)

22. (Currently Amended) The method of claim 2 ~~or 3~~, wherein the extracellular domain is the amino acid sequence from position 27 to 117 of SEQ ID NO: 6.

23. (New) The method of claim 3, wherein the blood cell sample is peripheral blood, cord blood, or bone marrow.

24. (New) The method of claim 3, wherein the extracellular domain is the amino acid sequence from position 27 to 117 of SEQ ID NO: 6.